



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/928,428	08/14/2001	Marco O. Gruteser	YOR.357	8128
48150	7590	05/04/2005	EXAMINER	
MCGINN & GIBB, PLLC 8321 OLD COURTHOUSE ROAD SUITE 200 VIENNA, VA 22182-3817			TESLOVICH, TAMARA	
			ART UNIT	PAPER NUMBER
			2137	

DATE MAILED: 05/04/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	09/928,428	GRUTESER ET AL.
	Examiner	Art Unit
	Tamara Teslovich	2137

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 14 August 2001.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-48 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1-48 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 14 August 2001 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>08.23.01</u> . | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Objections

Claim 42 is objected to because of the following informalities: The claim ends in
5 a semicolon, all claims must end in a period. Appropriate correction is required.

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

10 Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 43-48 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. The use of the word "signal" in the
15 abovementioned claims implies a time-varying propagation medium which is by standard definition intangible.

In accordance with Chapter 2106 of the MPEP, claimed inventions as a whole must accomplish a practical application. That is, they must produce "useful, concrete and tangible result[s]." State Street, 149 F.3d at 1373, 47 USPQ2d at 1601-02.

To expedite a complete examination of the instant application, the claims rejected under 35 USC 101 above are further rejected as set forth below in anticipation of applicant amending these claims to place them within the statutory classes of invention.

5

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- 10 (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-48 are rejected under 35 U.S.C. 102(b) as being anticipated by Charles
15 P. Pfleeger's *Security in Computing*.

As per claim 1, Pleeger discloses a method, comprising:

receiving a request to present information selected from a plurality of examples
of information (page 242 reference "file or data set" and "directory of files");
20 reading an identification token of at least one user; and determining whether said
user is authorized to be presented said information (page 252 reference "Password or
Other Token" and "Share Via Access Limitation").

As per claim 2, Pleeger discloses the method of claim 1, further comprising:

suppressing a presentation of said information when said user is determined not to be authorized (page 264 reference "after a system detects an access violation attempt, the system might disconnect the user and suspend access").

5 As per claim 3, Pleeger discloses the method of claim 1, further comprising:
notifying a third party of said request (page 264 reference "security administrator clears the matter"; page 457 reference "Audit").

As per claim 4, Pfleeger discloses the method of claim 1, further comprising:
10 presenting an alternate example of information when said user is determined not to be authorized (page 263 reference "challenge-response interchange").

As per claim 5, Pfleeger discloses the method of claim 3, wherein said third party comprises one of a security officer ("security administrator"), a coworker, and a
15 manager (page 264 reference "Authentication Other Than Passwords"; page 457 reference "Audit").

As per claim 6, Pfleeger discloses the method of claim 1, wherein said information includes at least one of a text file ("file or data set"), an image, a video file,
20 an audio file, a notification, and a computer application ("program") (page 242 reference "Protecting Access to General Objects").

As per claim 8, Pfleeger discloses the method of claim 1, wherein said identification token comprises at least one of a biometric identification ("voice recognizers"), a fingerprint ("handprint detectors"), a retinal image ("identifiers of patterns in the retina"), and a bar code (page 264 reference "Authentication Other Than
5 Passwords").

As per claim 9, Pfleeger discloses a method, comprising:
making a computing application available on a plurality of computing systems (page 459 reference "Permissions"; page 265 reference "Share Facilities by Means of
10 Computer Networks");
receiving a request to present said application on one of said computing systems (page 230 reference "Share Via Access Limitation");
reading an identification token of at least one user of said one of said computing systems; and determining whether said user is authorized to be presented said
15 computing application (page 252 reference "Password or Other Token").

As per claim 10, Pfleeger discloses the method of claim 9, further comprising:
determining whether said user is licensed to be presented said computing application (page 230 reference "Share Via Access Limitation").

20

As per claim 11, Pfleeger discloses the method of claim 9, further comprising:

suppressing a presentation of said application when said user is determined not to be authorized (page 264 reference "after a system detects an access violation attempt, the system might disconnect the user and suspend access").

- 5 As per claim 12, Pfleeger discloses the method of claim 9, further comprising:
notifying a third party of the request (page 264 reference "security administrator clears the matter"; page 457 reference "Audit" Administrator).

- As per claim 13, Pfleeger discloses the method of claim 9, wherein said
10 application comprises one of a text processing program and an image processing
program (page 242 reference "Protecting Access to General Objects").

- As per claim 14, Pfleeger discloses the method of claim 9, further comprising:
presenting an alternate application when said user is determined not to be
15 authorized (page 263 reference "challenge-response interchange").

- As per claim 15, Pfleeger discloses a method, comprising:
presenting at least one information example selected from a plurality of examples
of information (page 242 reference "file or data set" and "directory of files"; page 265
20 reference "Share Facilities by Means of Computer Networks");

reading an identification token of at least one user; and determining whether said user is authorized to be presented said at least one information example (page 252 reference "Password or Other Token").

5 As per claim 16, Pfleeger discloses the method of claim 15, further comprising: terminating the presentation of said information example when said user is determined not to be authorized (page 264 reference "after a system detects an access violation attempt, the system might disconnect the user and suspend access").

10 As per claim 17, Pfleeger discloses the method of claim 15, further comprising: notifying a third party of the reading of said identification token (page 264 reference "security administrator clears the matter"; page 457 reference "Audit").

15 As per claim 18, Pfleeger discloses the method of claim 16, further comprising: presenting an alternate example of information when said user is determined not to be authorized (page 263 reference "challenge-response interchange").

As per claim 21, Pfleeger discloses a method, comprising:
receiving a request to present information selected from a plurality of examples
20 of information reading identification tokens from a plurality of users (page 242 reference "file or data set" and "directory of files"; page 265 reference "Share Facilities by Means of Computer Networks");

determining whether any of said users are not authorized to be presented said information (page 252 reference "Password or Other Token"); and

selectively suppressing a presentation of said information to said any of said users determined not to be authorized (page 264 reference "after a system detects an access violation attempt, the system might disconnect the user and suspend access").

As per claim 22, Pfleeger discloses the method of claim 21, further comprising:

notifying a third party of said request (page 264 reference "security administrator clears the matter"; page 457 reference "Audit").

10

As per claim 23, Pfleeger discloses the method of claim 21, further comprising: presenting an alternate example of information when said user is determined not to be authorized (page 263 reference "challenge-response interchange").

15 As per claim 24, Pfleeger discloses the method of claim 22, wherein said third party comprises one of a security officer ("security administrator"), a coworker, and a manager (page 264 reference "Authentication Other Than Passwords"; page 457 reference "Audit" Administrator).

20 As per claim 25, Pfleeger discloses the method of claim 21, wherein said information includes at least one of a text file ("file or data set"), an image, a video file,

an audio file, a notification, and a computer application ("program") (page 242 reference "Protecting Access to General Objects").

- As per claim 27, Pfleeger discloses the method of claim 21, wherein said
- 5 identification token comprises at least one of a biometric identification ("voice recognizers"), a fingerprint ("handprint detectors"), a retinal image ("identifiers of patterns in the retina"), and a bar code (page 264 reference "Authentication Other Than Passwords").

- 10 As per claim 28, Pfleeger discloses a method, comprising:
- receiving a request to present information selected from a plurality of examples of information (page 242 reference "file or data set" and "directory of files");
- detecting a presence of a user and determining whether said user has an identification token that can be read (page 252 reference "Password or Other Token" and "Share Via Access Limitation"); and
- 15 selectively suppressing a presentation of said information to any said user determined not to have said identification token which can be read (page 264 reference "after a system detects an access violation attempt, the system might disconnect the user and suspend access").

- 20 As per claim 29, Pfleeger discloses the method of claim 28, further comprising:

after said detecting, attempting to read an identification token of said user (page 252 reference "Password or Other Token"; page 264 reference "Authentication Other Than Passwords").

- 5 As per claim 30, Pfleeger discloses a system, comprising:
 a processor for receiving a request to present information selected from a plurality of examples of information (page 242 reference "file or data set" and "directory of files"; page 265 reference "Share Facilities by Means of Computer Networks");
 a reader, coupled to said processor, for reading an identification token of at least
10 one user; and a determining unit for determining whether said user is authorized to be presented said information (page 252 reference "Password or Other Token" and "Share Via Access Limitation") (see page 289 Figure 7-11b "Security Functions of Operating Systems")
- 15 As per claim 31, Pfleeger discloses the system of claim 30, wherein said processor selectively suppresses a presentation of said information when said user is determined not to be authorized (page 264 reference "after a system detects an access violation attempt, the system might disconnect the user and suspend access").
- 20 As per claim 32, Pfleeger discloses the system of claim 30, further comprising:
 a notification unit for notifying a third party of said request (page 264 reference "security administrator clears the matter"; page 457 reference "Audit").

As per claim 33, Pfleeger discloses the system of claim 30, wherein said processor presents an alternate example of information when said user is determined not to be authorized (page 263 reference “challenge-response interchange”).

5

As per claim 34, Pfleeger discloses the system of claim 32, wherein said third party comprises one of security officer (“security administrator”), a coworker, and a manager (page 264 reference “Authentication Other Than Passwords”; page 457 reference “Audit” Administrator).

10

As per claim 35, Pfleeger discloses the system of claim 30, wherein said information includes at least one of a text file (“file or data set”), an image, a video file, an audio file, a notification, and a computer application (“program”) (page 242 reference “Protecting Access to General Objects”).

15

As per claim 37, Pfleeger discloses the system of claim 30, wherein said identification token comprises at least one of biometric identification (“voice recognizers”), a fingerprint (“handprint detectors”), a retinal image (“identifiers of patterns in the retina”), and a bar code (page 264 reference “Authentication Other Than 20 Passwords”).

As per claim 38, Pfleeger discloses a system (page 228 reference "general purpose operating system"), comprising:

- a processor for receiving a request to present an application on one of a plurality of computing systems, said computing application being available on said plurality of computing systems (page 242 reference "file or data set" and "directory of files"; page 265 reference "Share Facilities by Means of Computer Networks");
- 5 a reader for reading an identification token of at least one user of said one of said computing systems; and a determining unit for determining whether said user is authorized to be presented said computing application (page 252 reference "Password or Other Token" and "Share Via Access Limitation").
- 10

As per claim 39, Pfleeger discloses a system, comprising:

- a display for presenting at least one information example selected from a plurality of examples of information (page 242 reference "file or data set" and "directory of files"; page 265 reference "Share Facilities by Means of Computer Networks"; page 289 Figure 7-11b reference user terminals);
- 15 a reader for reading an identification token of at least one user; and a determining unit for determining whether said user is authorized to be presented said at least one information example (page 252 reference "Password or Other Token" and "Share Via Access Limitation"; page 289 Figure 7-11b reference "User identification and Authentication").
- 20

As per claim 40, Pfleeger discloses a system, comprising:

a processor for receiving a request to present information selected from a plurality of examples of information (page 242 reference "file or data set" and "directory of files"; page 265 reference "Share Facilities by Means of Computer Networks");

5 a reader for reading identification tokens from a plurality of users; and a determining unit for determining whether any of said users are not authorized to be presented said information (page 252 reference "Password or Other Token" and "Share Via Access Limitation"; page 289 Figure 7-11b reference "User identification and Authentication"),

10 said processor selectively suppressing a presentation of said information to said any of said users determined not to be authorized (page 264 reference "after a system detects an access violation attempt, the system might disconnect the user and suspend access").

15 As per claim 41, Pfleeger discloses a system, comprising:

a processor receiving a request to present information selected from a plurality of examples of information (page 242 reference "file or data set" and "directory of files"; page 265 reference "Share Facilities by Means of Computer Networks");

20 a detector for detecting a presence of a user; and a determining unit for determining whether said user has an identification token that can be read (page 252 reference "Password or Other Token" and "Share Via Access Limitation"; page 289 Figure 7-11b reference "User identification and Authentication"),

said processor selectively suppressing a presentation of said information to any said user determined not to have said identification token which can be read (page 264 reference "after a system detects an access violation attempt, the system might disconnect the user and suspend access").

5

As per claim 42, Pfleeger discloses the system of claim 41, further comprising: a reader for attempting to read an identification token of said user (page 264 reference "voice recognizers, handprint detectors, and identifiers of patterns in the retina").

10

As per claim 43, Pfleeger discloses a medium tangibly embodying a program of machine-readable instructions executable by a digital processing apparatus to perform a method, said method comprising:

receiving a request to present information selected from a plurality of examples 15 of information (page 242 reference "file or data set" and "directory of files"; page 265 reference "Share Facilities by Means of Computer Networks"); reading an identification token of at least one user; and determining whether said user is authorized to be presented said information (page 252 reference "Password or Other Token" and "Share Via Access Limitation"; page 289 Figure 7-11b reference 20 "User identification and Authentication").

As per claim 44, Pfleeger discloses a medium tangibly embodying a program of machine-readable instructions executable by a digital processing apparatus to perform a method, said method comprising:

making a computing application available on a plurality of computing systems

- 5 (page 265 reference "Share Facilities by Means of Computer Networks");
 - receiving a request to present said application on one of said computing systems (page 265 reference "Share Facilities by Means of Computer Networks");
 - reading an identification token of at least one user of said one of said computing systems; and determining whether said user is authorized to be presented said
- 10 computing application (page 252 reference "Password or Other Token" and "Share Via Access Limitation"; page 289 Figure 7-11b reference "User identification and Authentication").

As per claim 45, Pfleeger discloses a medium tangibly embodying a program of machine-readable instructions executable by a digital processing apparatus to perform a method, said method comprising:

- presenting at least one information example selected from a plurality of examples of information (page 242 reference "file or data set" and "directory of files"; page 265 reference "Share Facilities by Means of Computer Networks");
- 20 reading an identification token of at least one user; and determining whether said user is authorized to be presented said at least one information example (page 252

reference "Password or Other Token" and "Share Via Access Limitation"; page 289

Figure 7-11b reference "User identification and Authentication").

As per claim 46, Pfleeger discloses a medium tangibly embodying a program of

- 5 machine-readable instructions executable by a digital processing apparatus to perform
a method, said method comprising:

receiving a request to present information selected from a plurality of examples
of information (page 242 reference "file or data set" and "directory of files"; page 265
reference "Share Facilities by Means of Computer Networks");

- 10 reading identification tokens from a plurality of users; determining whether any of
said users are not authorized to be presented said information (page 252 reference
"Password or Other Token" and "Share Via Access Limitation"; page 289 Figure 7-11b
reference "User identification and Authentication"); and

- 15 selectively suppressing a presentation of said information to said any of said
users determined not to be authorized (page 264 reference "after a system detects an
access violation attempt, the system might disconnect the user and suspend access").

As per claim 47, Pfleeger discloses a medium tangibly embodying a program of

machine-readable instructions executable by a digital processing apparatus to perform
20 a method, said method comprising:

receiving a request to present information selected from a plurality of examples of information (page 242 reference "file or data set" and "directory of files"; page 265 reference "Share Facilities by Means of Computer Networks");

detecting a presence of a user; determining whether said user has an

- 5 identification token that can be read (page 252 reference "Password or Other Token" and "Share Via Access Limitation"; page 289 Figure 7-11b reference "User identification and Authentication"); and

selectively suppressing a presentation of said information to any said user

determined not to have said identification token which can be read (page 264 reference

- 10 "after a system detects an access violation attempt, the system might disconnect the user and suspend access").

As per claim 48, Pfleeger discloses the medium of claim 47, wherein said method further comprises:

- 15 attempting to read an identification token of said user (page 252 reference "Password or Other Token" and "Share Via Access Limitation"; page 289 Figure 7-11b reference "User identification and Authentication").

Claim Rejections - 35 USC § 103

- 20 The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5 Claims 19 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Pfleeger as applied to claims 1-6, 8-18, 21-25, 27-35, and 37-48 above, and further in view of Friday, Wu, Schmid, Finney, Cheverst and Davies' *A Wireless Public Access Infrastructure for Supporting Mobile Context-Aware IPv6 Applications* hereinafter referred to as Friday.

10

As per claim 19, Pfleeger discloses the method of claim 15.

Pfleeger fails to disclose the method of claim 15, further comprising presenting said information example on an alternate user interface device.

15 Friday discloses the method of claim 15, further comprising presenting said information example on an alternate user interface device such as the CyberGuide (page 11 column 1) and other personal computing devices such as laptops, PDAs and cellphones (page 11 column 2).

It would have been obvious to a person of average skill in the area at the time of the invention to include within Pfleeger's System and Method for Managing the 20 Presentation of Information, the wireless personal computing devices as described in Friday to provide increased mobility for users.

As per claim 20, the combined method of Pfleeger and Friday disclose the method of claim 19, wherein said alternate information device comprises one of a

personal digital assistant (PDA), a portable personal computer, a wireless device, a cellular phone, and a limited-access display (Friday page 11).

It would have been obvious to a person of average skill in the area at the time of the invention to include within Pfleeger's System and Method for Managing the

- 5 Presentation of Information, the wireless personal computing devices as described in Friday to provide increased mobility for users.

Claims 7, 26, and 36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Pfleeger as applied to claims 1-6, 8-18, 21-25, 27-35, and 37-48 above, and further

10 in view of Carl Landwehr's *Protecting Unattended Computers Without Software*.

As per claim 7, Pfleeger discloses the method of claim 1, wherein said identification token comprises a wireless identification token comprising at least one of a radio frequency identification tag, a wireless radio communications device, a Bluetooth device, 5 an IEEE 802.11 device, and an active badge.

Pfleeger fails to disclose the method of claim 1, wherein the identification token comprises a wireless identification token comprising at least one of a radio frequency identification tag, a wireless radio communications device, a Bluetooth device, 5 an IEEE 802.11 device, and an active badge.

20 Landwehr discloses the method of claim 1, wherein the identification token comprises tokens that can be sensed without the need for physical contact, such as Radio Frequency (RF) identification tags as well as other wireless tokens (column 3 lines 10-46).

It would have been obvious to a person of average skill in the area at the time of the invention to include within Pfleeger's System and Method for Managing the Presentation of Information, the wireless identification tokens as described in Landwehr to provide increased security for users.

5

As per claim 26, Pfleeger discloses the method of claim 21, wherein said identification token comprises a wireless identification token comprising at least one of a radio frequency identification tag, a wireless radio communications device, a Bluetooth device, 5 an IEEE 802.11 device, and an active badge.

10 Pfleeger fails to disclose the method of claim 1, wherein the identification token comprises a wireless identification token comprising at least one of a radio frequency identification tag, a wireless radio communications device, a Bluetooth device, 5 an IEEE 802.11 device, and an active badge.

Landwehr discloses the method of claim 1, wherein the identification token
15 comprises tokens that can be sensed without the need for physical contact, such as Radio Frequency (RF) identification tags as well as other wireless tokens (column 3 lines 10-46).

It would have been obvious to a person of average skill in the area at the time of the invention to include within Pfleeger's System and Method for Managing the
20 Presentation of Information, the wireless identification tokens as described in Landwehr to provide increased security for users.

As per claim 36, Pfleeger discloses the system of claim 30, wherein said identification token comprises a wireless identification token comprising at least one of a radio frequency identification tag, a wireless radio communications device, a Bluetooth device, 5 an IEEE 802.11 device, and an active badge.

5 Pfleeger fails to disclose the method of claim 1, wherein the identification token comprises a wireless identification token comprising at least one of a radio frequency identification tag, a wireless radio communications device, a Bluetooth device, 5 an IEEE 802.11 device, and an active badge.

Landwehr discloses the method of claim 1, wherein the identification token 10 comprises tokens that can be sensed without the need for physical contact, such as Radio Frequency (RF) identification tags as well as other wireless tokens (column 3 lines 10-46).

It would have been obvious to a person of average skill in the area at the time of the invention to include within Pfleeger's System and Method for Managing the 15 Presentation of Information, the wireless identification tokens as described in Landwehr to provide increased security for users.

Conclusion

Any inquiry concerning this communication or earlier communications from the 20 examiner should be directed to Tamara Teslovich whose telephone number is (571) 272-4241. The examiner can normally be reached on Mon-Fri 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Caldwell can be reached on (571) 272-3868. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

- 5 Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should
10 you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



ANDREW CALDWELL
SUPERVISORY PATENT EXAMINER

15 T. Teslovich
April 28, 2005